

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2001335512 A**

(43) Date of publication of application: **04.12.01**

(51) Int. Cl

A61K 47/44
A61K 31/711
A61K 47/02
A61K 47/10
A61K 47/18
A61K 47/24
A61K 47/28
A61K 48/00
// C12N 15/09

(21) Application number: **2000151973**

(22) Date of filing: **23.05.00**

(71) Applicant: **YAMANOUCHI PHARMACEUT CO LTD**

(72) Inventor: **NAGAI TSUNEJI**
YONETANI YOSHIE
O SHUNPEI
TANAKA SHUNICHI

(54) **MICROPARTICLE FOR TRANSDUCING GENE**

preparable by simple operations.

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a carrier for an agent, a physiologically active substance, a gene or the like at low cost, having a high introduction or transduction efficiency of a useful substance and

SOLUTION: This microparticle for a pharmaceutical preparation is characterized as comprising a phospholipid, a cationic lipid and a polyethylene glycol binding lipid.

COPYRIGHT: (C)2001,JPO